

Hydrologist Interview Questions:

1. You indicated you have used finite difference model code. Describe one of your projects and include the following: the specific code you used; how you set up the model grid; how you selected the boundary conditions; how you conducted the sensitivity analysis; and, the conclusions or the outcome of the project.
2. Have you ever used a code which can account for the effects of buoyancy? If so, which one?
3. You indicated you have worked in karst terrains. What are the unique features of karst terrains that require special consideration in hydrogeological evaluations? Tell us about one of your projects in karst terrains and how you conducted the evaluation. What were the conclusions of your project?
4. Give an example of your use of a GIS application or platform which illustrates your experience and level of competency using GIS software for the evaluation of data and information. What GIS software or platforms have you used and for how long? Provide examples of specific projects where you utilized GIS or other data evaluation tools.
5. Describe your experience conducting ground-water investigations and interpreting field data to solve problems relating to facilities that may have been impacting the ground water.
6. What specific technical and programmatic experience do you have in dealing with federal and/or state underground injection control (UIC) programs?
7. How do you deal with a person with whom you have a conflict?
8. What are your strongest attributes and how will those help your performance in this position?
9. Describe your initiative and work ethic and the life experiences that helped shaped it?

***Question Asked When Interview Was Scheduled:**

Can you provide an example of a report or letter (5 pages or less) you wrote describing ground water contamination at a site? The report or letter should be public information.